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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/895,326	07/02/2001	Katsuaki Hamamoto	010848	6711	
38834	38834 7590 10/17/2006		EXAMINER		
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP 1250 CONNECTICUT AVENUE, NW SUITE 700 WASHINGTON, DC 20036			ZHENG,	ZHENG, EVA Y	
			ART UNIT	PAPER NUMBER	
			2611		

DATE MAILED: 10/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

V	
16	

	Application No.	Applicant(s)
	09/895,326	HAMAMOTO, KATSUAKI
Office Action Summary	Examiner	Art Unit
	Eva Yi Zheng	2611
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the	e correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDO	ON. timely filed om the mailing date of this communication. NED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on 04 A	.ugust 2006.	
• • •	s action is non-final.	
3) Since this application is in condition for allowa	nce except for formal matters, p	prosecution as to the merits is
closed in accordance with the practice under the	•	
Disposition of Claims		
4)⊠ Claim(s) 13-20 is/are pending in the applicatio	.m	
4a) Of the above claim(s) is/are withdra		
5) Claim(s) <u>13-15 and 17-19</u> is/are allowed.	withom consideration.	
6)⊠ Claim(s) <u>16 and 20</u> is/are rejected.	•	
7) Claim(s) is/are objected to.		
8) Claim(s) are subject to restriction and/o	or election requirement	
,,	n election requirement.	
Application Papers		
9)☐ The specification is objected to by the Examine	er.	
10)☐ The drawing(s) filed on is/are: a)☐ acc	cepted or b) objected to by th	e Examiner.
Applicant may not request that any objection to the	drawing(s) be held in abeyance.	See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correct	tion is required if the drawing(s) is	objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by the E	xaminer. Note the attached Offi	ce Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:		(a)-(d) or (f).
1. Certified copies of the priority document		
2. Certified copies of the priority document	• •	
3. Copies of the certified copies of the price	•	ived in this National Stage
application from the International Burea	, , , , , , , , , , , , , , , , , , , ,	
* See the attached detailed Office action for a list	of the certified copies not recei	ived.
American and A		
Attachment(s) Notice of References Cited (PTO-892)	4) [] Intended 6	ory (PTO 413)
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) LInterview Summa Paper No(s)/Mail	
3) Information Disclosure Statement(s) (PTO/SB/08)		al Patent Application
Paper No(s)/Mail Date	6)	

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DETAILED ACTION

Request for Continued Examination

1. The request filed on August 4, 2006, for a Request for Continued Examination (RCE) under 37 CFR 1.114 based on parent Application No. 09/895,326 is acceptable and a RCE has been established. An action on the RCE follows.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.
- 3. Claims 16 and 20 are rejected under 35 U.S.C. 102(a) as being anticipated by applicant admitter prior art (AAPA).
- a) Regarding claim 16, AAPA discloses a scrambling code generation apparatus (as shown in Fig. 16) generating a scrambling code used in a scrambling operation of transmission data, comprising:
 - a storage circuit storing predetermined initial values (22 in Fig. 16);
- a logic circuit (shift register formed of registers 11,12,13 and 14) producing a matrix by a predetermined operation (Mo(100)-M3(100), the matrix is determined after 100 shift operations of the shift register; [0042]-[0059]); said matrix being used to determine a value of each code forming sequence of scrambling codes based on a predetermined generating polynomial ([0027] "f(x) = X^4+X^2+1 "); and

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an arithmetic circuit (21 in Fig. 16) multiplying said predetermined initial values stored in said storage circuit by said matrix produced by logic circuit to compute a value of each code forming said sequence of scrambling codes ([0060-0061]).

b) Regarding claim 20, AAPA discloses a portable radio terminal of digital radio communication, comprising:

a transmission related modem (inherent as base station) modulating transmission data ([0004]-[0014]); and

a radio processor applying processing for radio communication on transmission data of said transmission related modem to send out the processed data as a transmission radio signal ([0004]-[0014]),

said transmission related modem comprising a scrambling code generation apparatus generating a scrambling code used in a scrambling operation of said transmission data ([0014]),

said scrambling code generation apparatus (as shown in Fig. 16) comprising: a storage circuit (22 in Fig. 16) storing predetermined initial values,

a logic circuit (shift register formed of registers 11,12,13 and 14) producing a matrix by a predetermined operation (Mo(100)-M3(100), the matrix is determined after 100 shift operations of the shift register; [0042]-[0059]); said matrix being used to determine a value of each code forming sequence of scrambling codes based on a predetermined generating polynomial ([0027] "f(x) = X^4+X^2+1 "); and

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an arithmetic circuit (21 in Fig. 16) multiplying said predetermined initial values stored in said storage circuit by said matrix produced by logic circuit to compute a value of each code forming said sequence of scrambling codes ([0060-0061]).

Allowable Subject Matter

- 4. Claims 13-15 and 17-19 would be allowable.
- 5. The following is a statement of reasons for allowable subject matter:

None of the prior art teaches or suggest a scrambling code generator comprise a control circuit for controlling an arithmetic circuit and an input circuit so that the arithmetic circuit computes values of registers and the input circuit applies the computed values into the registers until all the plurality of stages of registers store the values based on the computed and input values. The shift register continues a shift operation based on valid values stored in all of the plurality of stages of registers to generate the sequence of scrambling codes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eva Y Zheng whose telephone number is 571-272-3049. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chieh Fan can be reached on 571-272-3042. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eva Yi Zheng Examiner Art Unit 2611

October 10, 2006

CHIEH M. FAN
SUPERVISORY PATENT EXAMINER